

## ABSTRACT

A tissue bath system with containers and sample holders for holding tissue sample inside tissue medium in the containers, where each sample holder is connected to a force transducer for measuring force exerted on the holder by contraction of the tissue sample upon stimulation. The system further comprises a temperature regulation system for regulating the temperature of the tissue medium in the sample container. The system comprises a container station with chambers for placement of at sample containers in the chambers, wherein the temperature regulation system has means for providing a temperature regulated air stream into the chambers for regulation of the temperature in the container.

(FIG. 1)